

KAKE AIRPORT





2004 Alaska Airport Pavement Condition Report

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Maps and report compiled by
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Central Region Materials, Alaska DOT&PF

KAKE AIRPORT - 2004

Contents:

- A Pavement Strength Form showing project history, latest Pavement Condition Index (PCI) data, pavement strength ratings (if available) and other useful information
- A Pavement Condition Survey PCI Sample Unit Layout Plan
- PCI maps showing as-measured and predicted pavement conditions
- Age map showing pavement age as of 2004
- A Branch PCI Condition Report
- A Section PCI Condition Report

Airport Information:

• Location: Kake Airport is located about 1 mile east of the town of Kake that is near the north shore of Kuiu Island in the central part of Southeast Alaska. Kake is a fishing and logging town.

District: SoutheastAirport Manager: Delbert Kadake

• District Maintenance Manager: Gary Franzen, Contract Manager

• Pavement Surface: There are approximately 530,000 square feet of 1991 asphalt concrete pavement on the airport, not counting the access road.

• Last Pavement Construction: 1991

• Pavement layout:

The airport consists of Runway 10-28 (4000' x 100') that has a displaced threshold on the east end and an Apron with a short Taxiway "A". The runway was divided into two Sections with the eastern 1000' beyond the displaced threshold being Section 2. This airport serves General Aviation propeller driven aircraft. It is unfenced and without controlled access.

Design Aircraft: General Aviation

• 2003 Enplanements: 2,902 – up 38% from 2002

Airport Class: Non-Primary
 Last pavement condition survey: May 14, 2003

• Next planned pavement condition survey: 2006

• 2004 reported pavement maintenance and/or changed conditions: Two settlement areas in on the south end of the runway, Section 6100-02, are progressing and creating problems.

Recommendations: Seal cracks wider than ¹/₄", patch and repair as needed. Apply emulsified seal coat to grader scrapes and any areas with exposed aggregates. Consider Geotechnical Investigation of the settlement areas in Section 6100-02 to determine the best way to repair it.

Date: 7 /24/2003

Branch Condition Report

1 of 2

Pavement Database: NetworkID: Kake

Branch ID	Number of Sections	Sum Section Length (Ft)	Avg Section Width (Ft)	True Area (SqFt)	Use	Average PCI	PCI Standard Deviation	Weighted Average PCI
100 (Taxiway A)	1	212.00	35.00	9572.00	TAXIWAY	71.00	0.00	71.00
4100 (Apron)	1	600.00	200.00	120000.00	APRON	90.00	0.00	90.00
6100 (Runway 10-28)	2	4000.00	100.00	400000.01	RUNWAY	81.50	2.50	80.25

2 of 2

Date: 7 /24/2003

Branch Condition Report

Pavement Database:

Use Category	Number of Sections	Total Area (SqFt)	Arithmetic Average PCI	Average PCI STD.	Weighted Average PCI
APRON	1	120000.00	90.00	0.00	90.00
RUNWAY	2	400000.01	81.50	2.50	80.25
TAXIWAY	1	9572.00	71.00	0.00	71.00
All	4	529572.01	81.00	6.96	82.29

Date: 7 /24/2003

Section Condition Report

Pavement Database:

NetworkID: Kake

1 of 2

Last Age **Branch ID** Section ID Last Surface Use Rank Lanes True Area PCI Āt Inspection Const. (SqFt) Date Inspection Date 100 (Taxiway A) 100-01 AC **TAXIWAY** Ρ 0 08/01/1991 9572.00 05/14/2003 12 71.00 4100 (Apron) 4100-01 08/01/1991 AC**APRON** Р 0 120000.00 05/14/2003 12 90.00 6100 (Runway 10-28) Ρ 300000.01 05/14/2003 6100-01 08/01/1991 AC**RUNWAY** 0 12 79.00 6100-02 6100 (Runway 10-28) 08/01/1991 AC **RUNWAY** Ρ 0 100000.00 05/14/2003 84.00 12

Date: 7 /24/2003

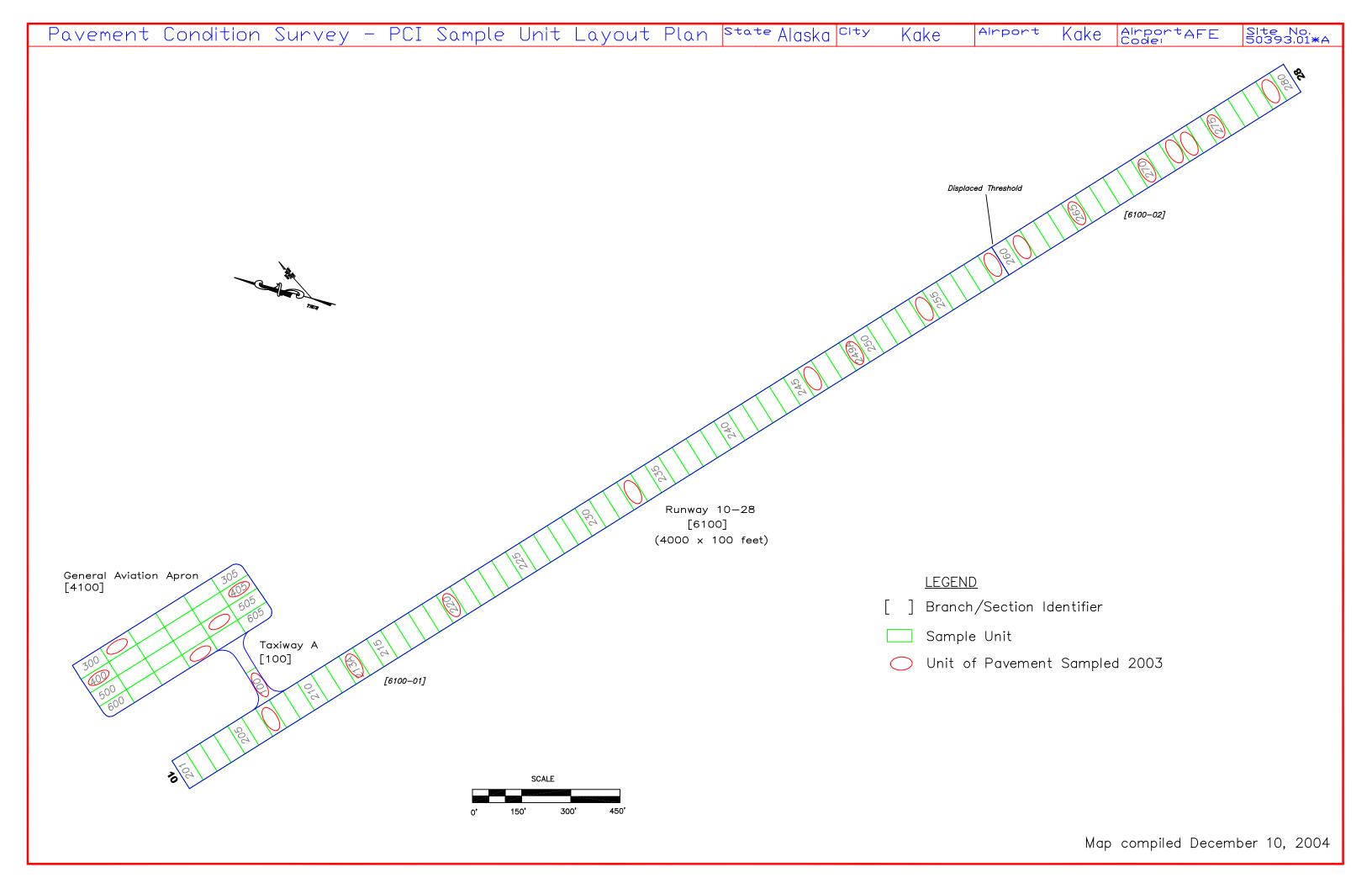
Section Condition Report

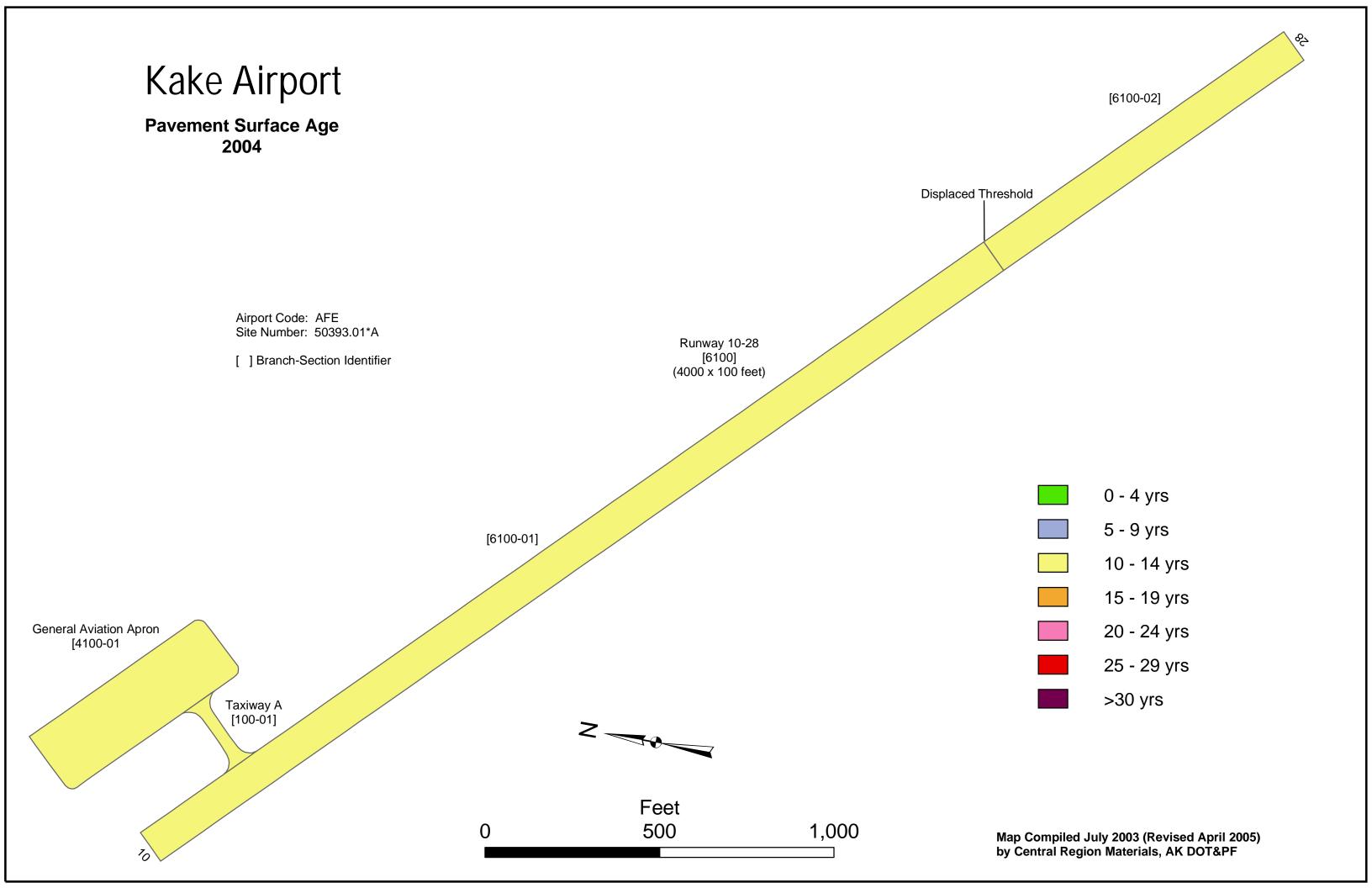
2 of 2

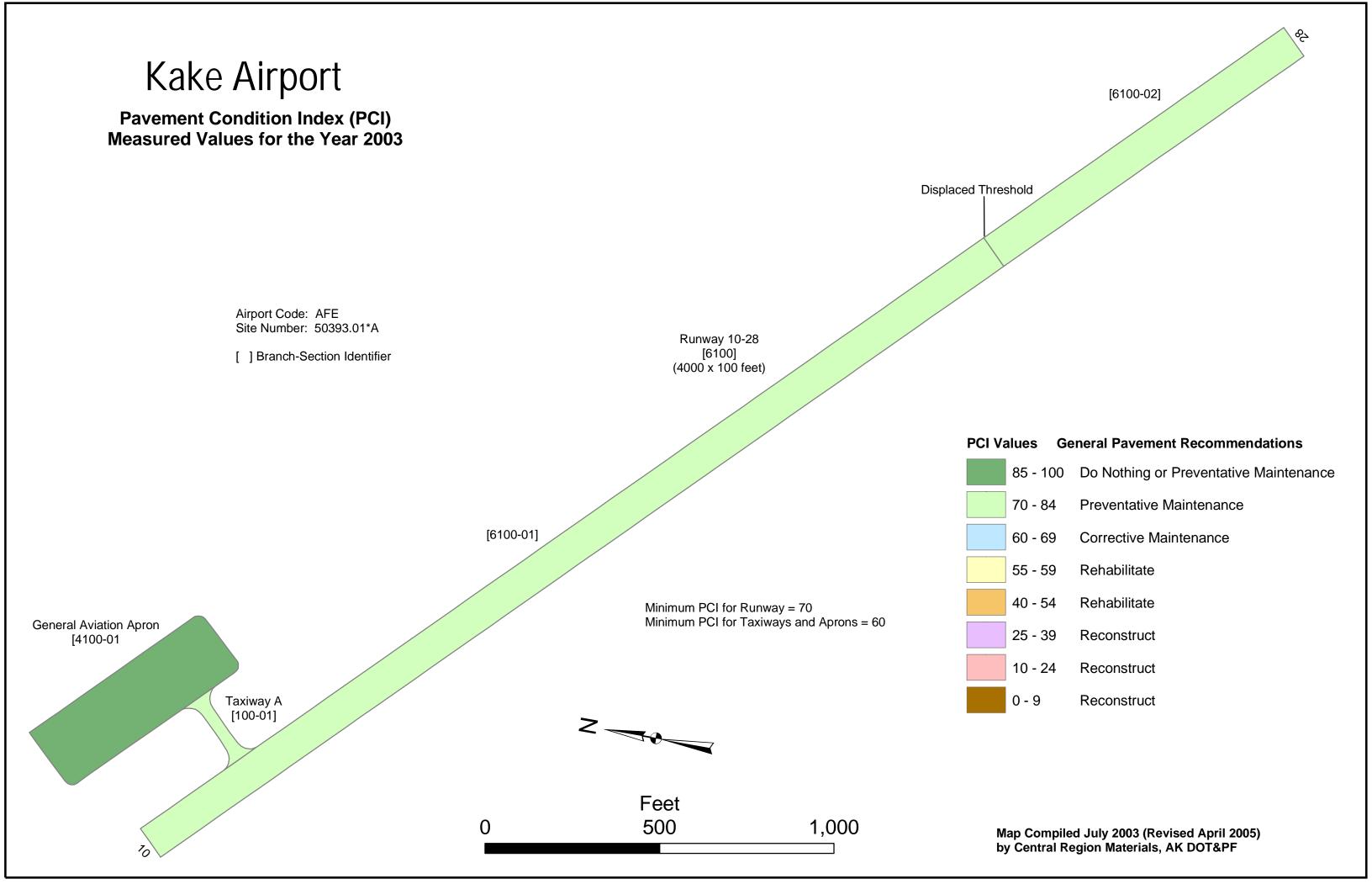
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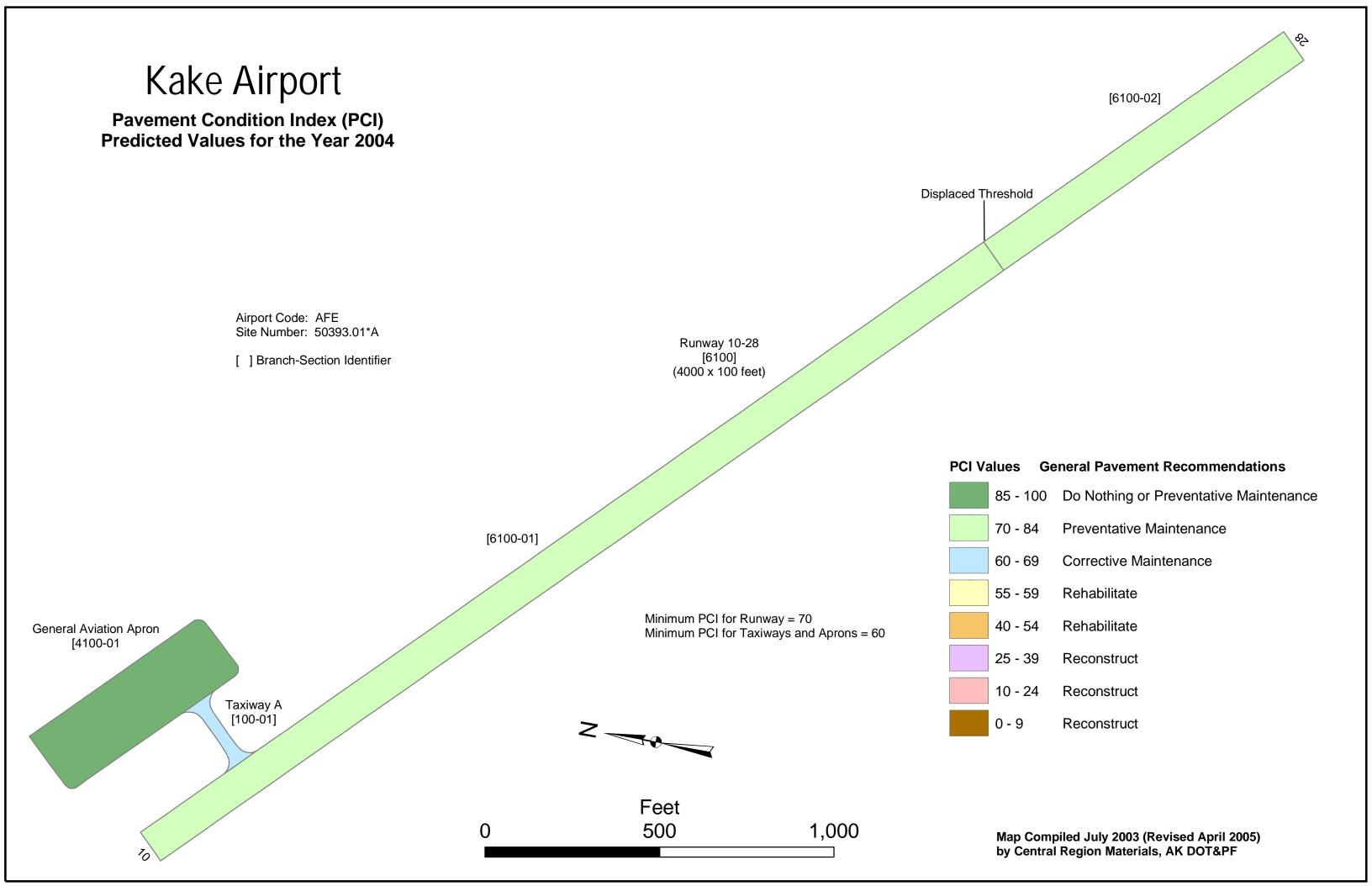
Age Category	Average Age At Inspection	Total Area (SqFt)	Number of Sections	Arithmetic Average PCI	PCI Standard Deviation	Weighted Average PCI		
11-15	12.00	529572.01	4	81.00	6.96	82.29		
All	12.00	529572.01	4	81.00	6.96	82.29		

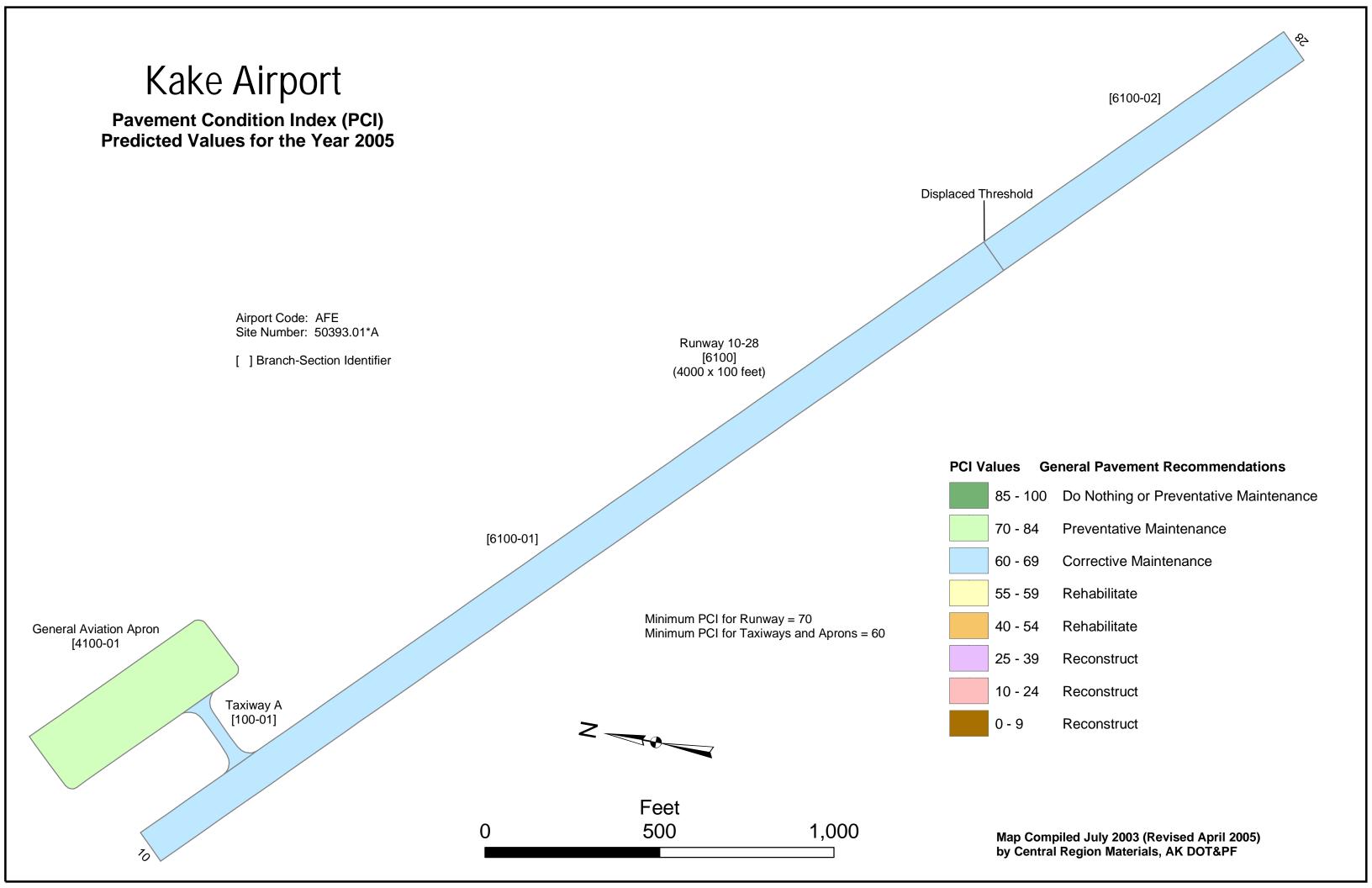
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STATE Ala		CITY	Kake	AIRPORT	Kake				This is a vari	ation of FAA	Form 5320-1-	1
OTATE AIG	I		TION DATES	AIRT ORT	rano				THIS IS A VAIN		01111 0020 1	
IDENT.	NAME	ORIG.	OVERLAY	CONSTRUCTION AGENCY	SOURCE OF INFORMATION	Existing Pavement Conditions (PCI) at last inspection	Soil Class	Subbase Course	Base Course	Surface Course	Overlay	Pavement Strength
						RUNWAYS						
6100-01	Runway 10-28 Section 1	1991			S.E. Region	79				2" AC		General Aviation
6100-02	Runway 10-28 Section 2	1991			SE Region	84				AC		General Aviation
				 	 							
						TAXIWAYS						
100-01	Taxiway A	1991			S.E. Region	71				AC		
						ADDONO						
4100-01	General Aviation Apron	1991			S.E. Region	APRONS 90				AC		
		.,,,,										
REMARKS:												
This Airport s	serves small General Aviation	on Aircraft										
Date of Site I	Inspection:	5/14/2003		Evaluated By:	S. Gartin	11/29/2004						PAGE 1 of 1
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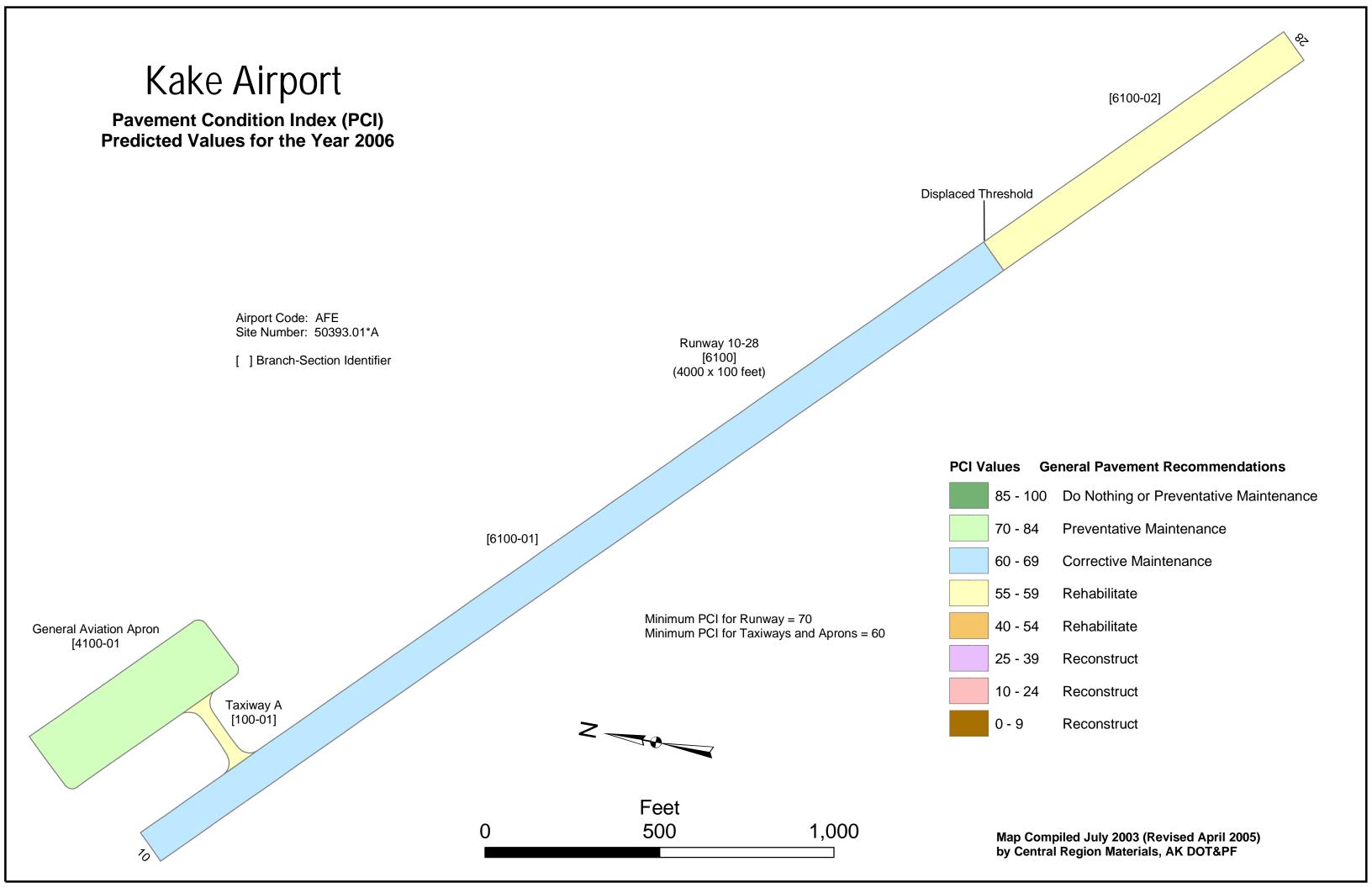


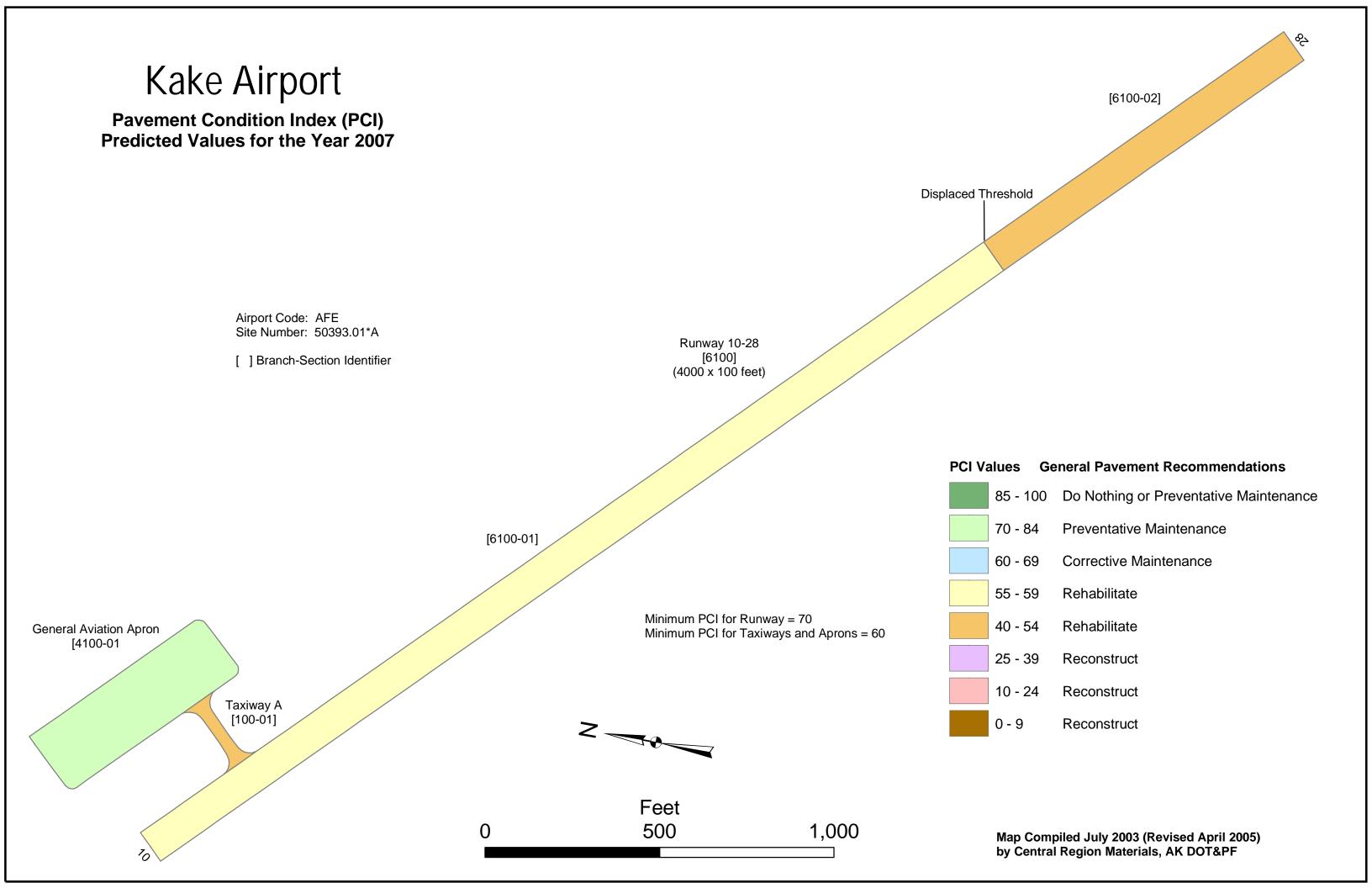












Kake Airport

